

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 4726US	Application Number To be assigned		
			Applicant Hilda E. Smith			
			Filing Date January 22, 2001		Group Art Unit To be assigned	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PAD	5,610,011	03/11/97	Smith et al.			
PAD	5,681,570	10/28/97	Yang et al.			
PAD	5,733,765	03/31/98	Mollet et al.			
PAD	5,786,184	07/28/98	Mollet et al.			
PAD	5,928,900	07/27/99	Masure et al.			
PAD	5,948,900	09/07/99	Yother et al.			
PAD	5,981,229	11/09/99	Masure et al.			
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
PAD	PCT International Preliminary Examination Report, PCT/NL99/00460, dated October 27, 2000.					
PAD	PCT International Search Report, PCT/NL99/00460, dated April 5, 2000, 6 pages.					
EXAMINER	DATE CONSIDERED					
PATRICKA M DUFFY		1/10/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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PTO/SB/08A (10-01)

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 2

<p>Substitute for form 1449A/PTO</p> <h1>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p>(use as many sheets as necessary)</p>		<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>Application Number</td> <td>09/767,041</td> </tr> <tr> <td>Filing Date</td> <td>January 22, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Hilda E. Smith</td> </tr> <tr> <td>Group Art Unit</td> <td>1645</td> </tr> <tr> <td>Examiner Name</td> <td>P. Duffy</td> </tr> </table>		Application Number	09/767,041	Filing Date	January 22, 2001	First Named Inventor	Hilda E. Smith	Group Art Unit	1645	Examiner Name	P. Duffy
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Sheet	1	of	2										
		Attorney Docket Number											
		2183-4726US											

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
PAO		WO 92/16630	10-01-1992	Centraal Diergeneeskundig Instituut		
PAO		WO 92/21465	12-10-1992 07-18-1995	Connaught Laboratories Limited	STS KOM EET ST ALL	
PAO		WO 95/06732	03-09-1995	Rockefeller University		
PAO		WO 95/31548	11-23-1995	UAB Research Foundation		
		EP 0 750 043 A1	12-27-1996	Societe Des Produits Nestle		
		NOT CONSIDERED NOT IN ENGLISH				

Examiner  
Signature

Patricia A. Duffy

Date  
Considered

11/18/04

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INFORMATION DISCLOSURE  
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Sheet

2

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Application Number	09/767,041
Filing Date	January 22, 2001 MAY 07 2003
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	P. Duffy
Attorney Docket Number	TECH CENTER 1600/2900 2183-4726US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PAD		BUSQUE et al., Immunization of pigs against <i>Streptococcus suis</i> serotype 2 infection using a live avirulent strain, <i>Can J Vet Res.</i> , October 1997, pp. 275-79, Vol. 61, No. 4.	
PAD		CHARLAND et al., <i>Streptococcus suis</i> serotype 2 mutants deficient in capsular expression, <i>Microbiology</i> , February 1998, pp. 325-32, Vol. 144, No. 2.	
PAD		ELLIOTT et al., Streptococcal infection in young pigs. V. An immunogenic polysaccharide from <i>Streptococcus suis</i> type 2 with particular reference to vaccination against streptococcal meningitis in pigs, October 1980, pp. 275-85, Vol. 85, No. 2.	
PAD		KOLKMAN et al., Diversity of capsular polysaccharide synthesis gene clusters in <i>Streptococcus pneumoniae</i> , <i>J. Biochem.</i> , May 1998, pp. 937-45, Vol. 123, No. 5.	
PAD		QUESSY et al., Immunization of mice against <i>Streptococcus suis</i> serotype 2 infections using a live avirulent strain, <i>Can J. Vet Res.</i> , October 1994, pp. 299-301, Vol. 58, No. 4.	
PAD		ROBERTS et al., The biochemistry and genetics of capsular polysaccharide production in bacteria, <i>Ann. Rev. Microbiol.</i> , 1996, pp. 285-315, Vol. 50.	
PAD		SMITH et al., Identification and characterization of the cps locus of <i>Streptococcus suis</i> serotype 2: the capsule protects against phagocytosis and is an important virulence factor, <i>Infect Immun.</i> , April 1999, pp. 1750-56, Vol. 67, No. 4.	
PAD		SMITH et al., High efficiency transformation and gene inactivation in <i>Streptococcus suis</i> type 2, <i>Microbiology</i> , January 1995, pp. 181-88, Vol. 141.	
PAD		WATSON et al., Pneumococcal Virulence Factors and Host Immune Responses to Them, <i>European Journal of Clinical Microbiology &amp; Infectious Diseases</i> , June 1995, pp. 479-90, Vol. 14, No. 6.	

Examiner Signature	PATRICIA A. DUFFY	Date Considered	4/11/04
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\* WO 96/21465 was submitted with the Supplemental Information Disclosure Statement filed April 30, 2003; however, it was inadvertently listed as WO 92/21465. It is listed but a copy is not submitted herewith.

